

Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	Atty. Docket Number COVD-0013	Serial Number UNASSIGNED
	Applicant Rawson et al	
	Filing Date FILED HEREWITH	Group UNASSIGNED

13544 U.S. PTO  
 09/432883  
 11/02/99

U.S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	4,450,556	5/1984	Boleda et al	370	58	
	4,446,555	5/1984	Devault et al	370	94	
	4,607,139	8/1986	Froment	179	2 C	
	4,611,321	9/1986	Gabrielli et al	370	60	
	4,715,026	12/1987	Eberspaecher	370	1	
	4,748,637	5/1988	Bishop et al	375	7	
	4,796,256	1/1989	Opderbeck et al	370	110.1	
	4,799,217	1/1989	Fang	370	68.1	
	4,926,416	5/1990	Weik	370	60.1	

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

Examiner Initial	Date	Title, Author, Date, Etc.
	12/1996	Entitled, "ASCEND ANNOUNCES MULTIDSL™ STRATEGY AND FIRST COMPLETE LINE OF DSL PRODUCTS", By Ascend, Inc., 1701 Harbor Bar Parkway, Alameda, CA 94502 (Pages 1 - 4)
	12/1996	Entitled, "REDEFINING INTERNET ACCESS: A WorldCom, Inc. White Paper", By UUNET, 3060 Williams Drive, Fairfax, VA 22031-4648, USA (Pages 1 - 7)
PN	10/1997	Entitled, "ASCEND INTRODUCES NEW CARRIER-CLASS xDSL CONCENTRATOR AND MULTI-PORT SDSL CUSTOMER PREMISE ROUTER", By Ascend, Inc., 1701 Harbor Bar Parkway, Alameda, CA 94502 (Pages 1 - 3)

Examiner <i>Phuoychan</i>	Date Considered 1.8.03
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Examiner: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant



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PN	5,293,570	3/1994	Schmidt et al	370	60.01	
	5,341,376	8/1994	Yamashita	370	99	
	5,343,467	8/1994	Wohr	370	59	
	5,359,600	10/1994	Ueda et al	370	60.1	
	5,363,370	11/1994	Abiven	370	84	
	5,365,521	11/1994	Ohnishi et al	370	60	
	5,375,118	12/1994	Roa et al	370	60.1	
	5,390,184	2/1995	Morris	370	94.2	
	5,420,858	5/1995	Marshall et al	370	60.1	
	5,428,609	6/1995	Eng et al	370	60.1	
PN	5,436,890	7/1995	Read et al	370	58.2	

## Foreign Patent Documents

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

Examiner Initial	Date	Title, Author, Date, Etc.

Examiner	<i>Amzaha</i>	Date Considered	1.8.03
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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	5,450,411	9/1995	Heil	370	94.2	
	5,457,684	10/1995	Bharucha et al	370	60.1	
	5,483,527	1/1996	Doshi et al	370	60.1	
	5,533,018	7/1996	DeJager et al	370	60.1	
	5,355,362	10/1994	Gorshe et al	370	16.1	
	5,535,198	7/1996	Baker et al	370	60	
	5,568,486	10/1996	Huscroft et al	370	94.2	
	5,570,355	10/1996	Dail et al	370	60.1	
PN	5,577,038	11/1996	Miyahara	370	60.1	

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Examiner Initial	Date	Title, Author, Date, Etc.

Examiner	<i>Phongcha</i>	Date Considered	1.8.03
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PN	5,598,413	1/1997	Sansom et al	370	468	
	5,617,450	4/1997	Kakuishi et al	375	230	
	5,631,953	5/1997	Thomas et al	379	94	
	5,712,903	1/1998	Bartholomew et al	379	89	
	5,666,366	9/1997	Malek et al	370	505	
	5,682,385	10/1997	Garcia et al	370	458	
	5,715,309	2/1998	Bartkowiak	379	390	
	5,717,762	2/1998	Aihara et al	380	49	
	5,719,870	2/1998	Baker et al	370	463	

## Foreign Patent Documents

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## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

Examiner Initial	Date	Title, Author, Date, Etc.

Examiner 	Date Considered 1.8.02
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<i>PN</i>	5,737,320	4/1998	Madonna	370	258	
<i>PN</i>	5,737,333	4/1998	Civanlar et al	370	352	
<i>PN</i>	5,757,803	5/1998	Russell et al	370	494	
<i>PN</i>	5,764,637	6/1998	Nishihara	370	397	
<i>PN</i>	5,771,236	6/1998	Sansom et al	370	458	

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